
ADD-DROP FILTER UTILIZING CHIRAL ELEMENTS

ABSTRACT

An add-drop filter, utilizing chiral elements, that enables a new signal to be
5 added at a particular vacuum wavelength λ'_k to a fiber optic line carrying n signal
channels over a band of wavelengths encompassing $\lambda_1 \dots \lambda_{k-1}$, λ_k , $\lambda_{k+1} \dots \lambda_n$, while
an existing signal, λ_k , is simultaneously dropped from the signal group.